# CONTENTS OF VOLUME XXV

## Number 1, January, 1966


Presidential Address. The Relationship of Hypersensitivity to Infection, Inflammation and Immunity. E. C. Alvord, M.D., Jr., Seattle, Washington ..... 1

Neuropathological Features of Human Organ Transplantation. II. Central Pontine Myelinolysis and Neuroaxonal Dystrophy. S. A. Schneck, M.D., Denver, Colorado. 18

Studies on the Neurotoxicity of Ethambutol and its Racemate for the Rhesus Monkey. I. G. Schmidt, Ph.D., and L. H. Schmidt, Ph.D., Davis, California ..... 40

Experimental Brain Concussion: The Early Effect of Sudden Increase in Intracranial Pressure on the Succinodase Activity of Isolated Neurons and Glial Cells from the Lateral Vestibular Nucleus of the Rabbit. A. Hamberger, M.D., and L. Rinder, M.D., Göteborg, Sweden ..... 68

Fine Structural Localization of Two Hydrolytic Enzymes in the Cerebellum of Children with Lipidoses. B. J. Wallace, Ph.D., B. W. Volk, M.D., L. Schneck, M.D., and H. Kaplan, M.D., Brooklyn, N.Y. ..... 76

Incorporation of Tritiated Thymidine into Mouse Brain after a Single Dose of X-Rays. An Autoradiographic Study. O. Hassler, M.D., Umea, Sweden ..... 97

Multifocal Leukoencephalopathy with Remission and Five Year Survival. E. T. Hedley-White, M.B., B. P. Smith, M.D., H. R. Tyler, M.D., and W. P. Peterson, M.D., Boston, Mass. ..... 107

American Association of Neuropathologists, Annual Meeting, Atlantic City, N.J. ..... 117

Book Reviews ..... 175

Announcement ..... 177


## Number 2, April, 1966


Subacute Sclerosing Leucoencephalitis: Electron Microscopic and Cytochemical Observations on a Cerebral Biopsy. N. K. Gonatas, M.D., Philadelphia, Pa. ..... 177

Optic and Peripheral Nerve Response to Triethyltin Intoxication in the Rabbit: Biochemical and Ultrastructural Studies. L. C. Scheinberg, M.D., J. M. Taylor, M.D., I. Herzog, M.D., and S. Mandell, M.D., New York, N. Y. ..... 202

Chronic Peripheral Neuropathy Produced by Lead Poisoning in Guinea-Pigs. P. M. Fullerton, M.D., London, England ..... 214

The Neuropathology of Barbiturate Intoxication. U. T. Slager, M.D., E. B. Reilly, M.D., and R. A. Brandt, M.D., Orange, Calif. ..... 237

The Effect of Iminodipropionitrile on the Ribonucleic Acid Content and Composition of Mesencephalic V Cells, Anterior Horn Cells, Glial Cells, and Axonal Balloons. D. E. Slagel, Ph.D., H. A. Hartmann, M.D., and J.-E. Edström, M. K., Lexington, Ky. ..... 244

Neuropathology of Phenylketonuria. N. Malamud, M.D., San Francisco, Calif. ..... 254

Cerebral Segmental Nodular Phlebitis. M. T. Moore, M.D., Philadelphia, Pa., and M. H. Book, M.D., Norristown, Pa. ..... 269

Responses to Intracarotid Hypaque in Rabbits with and without low Molecular Weight Dextran. W. O. Whetsell, Jr., M.S., and I. Lockard, Ph.D., Charleston, S. C. ..... 283

Histopathology of the Cerebellum, Medulla, and Labyrinth of Xenopus Laevis After

High Doses of Total-Body Acute Irradiation. C. S. Treip, M.D., and G. DiVita, M.D., Cambridge, England ..... 296

The Response of the Reticuloendothelial System of Inbred Resistant and Susceptible Mice in the Pathogenesis of Allergic Encephalomyelitis. D. Bohme, M.D., J. M. Lee, Ph.D., H. A. Schneider, Ph.D., and M. Wachstein, M.D., New York, N. Y... 311

A Cerebral Neuroblastoma with Unusual Fibrous Tissue Reaction. A. A. Miller, M.D., and F. Ramsden, L.R.I.C., F.R.S.H., Preston, England ..... 328

Announcements ..... 341

Number 3, July, 1966

Neuroaxonal Dystrophy in Congenital Biliary Atresia. J. H. Sung, M.D., and E. M. Stadlan, M.D., Minneapolis, Minn ..... 341

Experimental Study of Thiamine Deficiency in Nervous Tissue, Using Tissue Culture Technics. T. Yonezawa, M.D., and H. Iwanami, M.D., Tokyo, Japan ..... 362

The Ultrastructure of Human Cerebral Edema. D. M. Long, M.D., J. F. Hartmann, Ph.D., and L. A. French, M.D., Minneapolis, Minn ..... 373

Chemical Studies on Jakob-Creutzfeldt Disease. K. Suzuki, M.D., and G. Chen, M.A., New York, N. Y ..... 396

The Fine Structure of the Rod-Like Bodies in Nemaline Myopathy and their Relation to the Z-Discs. N. K. Gonatas, M.D., Philadelphia, Pa ..... 409

Studies on Tetanus. V. In Vivo Localization of Purified Tetanus Neurotoxin in Mice with Fluorescein-Labelled Tetanus Antitoxin. S. I. Zacks, M.D., and M. F. Sheff, M.D., Philadelphia, Pa ..... 422

Ultrastructural Studies of Ring Fibers in Human Muscle Disease. D. L. Schotland, M.D., D. Spiro, M.D., and P. Carmel, M.D., New York, N. Y ..... 431

Hydrolase Cytochemistry of Retrograde Neuronal Degeneration in Feline Lateral Geniculate Body with Observations on the Identification of Multiple Forms of Neural Hydrolases having Overlapping Substrate Affinities. K. D. Barron, M.D., J. B. Oldershaw, M.D., and J. Bernsohn, Ph.D., Hines, Illinois ..... 443

Cerebral Infarction in the Human Fetus near Term. A. Manterola, M.D., A. Towbin, M.D., and P. I. Yakovlev, M.D., Boston, Mass ..... 479

Cortical Degeneration Associated with Myeloma and Dementia. J. S. Nelson, M.D., R. M. Woolsey, M.D., and G. O. Broun, Jr., M.D., St. Louis, Mo ..... 489

Epidermoid Cysts of the Spinal Cord: A Spontaneous Disease of Rats. S. Levine, M.D., New York, N. Y ..... 498

Book Review ..... 505

Number 4, October, 1966

Kinky Hair Disease. I. Clinical and Pathological Features. M. J. Aguilar, M.D., D. L. Chadwick, M.D., K. Ohuyama, M.D., and S. Kamoshita, M.D., Los Angeles, California ..... 507

Kinky Hair Disease. II. Biochemical Studies. J. S. O'Brien, M.D., and E. L. Sampson, B.S., Los Angeles, California ..... 523

Cerebral Edema After Laser Radiation. P. W. Lampert, M.D., J. L. Fox, M.D., and K. M. Earle, M.D., Washington, D. C ..... 531

Selective Vulnerability of the Blood-Brain Barrier in Chemically Induced Lesions. O. Steinwall, M.D., and I. Klatzo, M.D., Bethesda, Maryland ..... 542

Subacute Sclerosing Leukoencephalitis. I. Clinico-Pathological Electron Microscopic and Virological Observations. I. TELLEZ-NAGEL, M.D., AND D. H. HARTER, M.D., New York, N. Y. ..... 560

Subacute Sclerosing Leukoencephalitis. II. Chemical Studies, Including Abnormal Myelin and an Abnormal Ganglioside Pattern. W. T. NORTON, PH.D., S. E. PODUSLO, B.S., AND K. SUZUKI, M.D., New York, N. Y. ..... 582

Fine Structure of Spongy Degeneration of the Central Nervous System (van Bogaert and Bertrand Type). M. ADACHI, M.D., B. J. WALLACE, PH.D., L. SCHNECK, M.D., AND B. W. VOLK, M.D., Brooklyn, N. Y. ..... 598

Metachromatic Leukodystrophy. An Electron Microscopic Study. A. GRÉGOIRE, M.D., O. PÉRIER, M.D., AND P. DUSTIN, JR., M.D., Brussels, Belgium ..... 617

The Significance of "Pale" Neurons in Human Cortical Biopsies. An Electron Microscopic Study. N. K. GONATAS, M.D., Philadelphia, Pa. ..... 637

The Origin of the Reactive Cells in Cerebral Stab Wounds. H. W. HUNTINGTON, M.D., AND R. D. TERRY, M.D., New York, N. Y. ..... 646

The Role of Traction in the Development of the Arnold-Chiari Malformation. An Experimental Study. F. GOLDSTEIN, M.D., AND J. J. KEPES, M.D., Kansas City, Kansas ..... 654

Chondroma Arising Within a Mixed Glioma. E. B. SIQUEIRA, M.D., AND P. C. BUCY, M.D., Chicago, Ill. ..... 667

Book Reviews ..... 674

Index to Volume XXV ..... 676